

ABSTRACT OF THE DISCLOSURE

A novel lighting assembly that incorporates a high brightness light emitting diode (LED) in a compact assembly for further integration into a lighting device is provided. The lighting head assembly of the present invention provides several novel aspects that are all closely integrated to provide a unique assembly for incorporating a high brightness LED into a lighting device. In particular, the head assembly utilizes a receiver sleeve that includes a tail portion which surrounds the output end of the LED thereby isolating the LED and capturing both the conductive and radiant waste heat emitted by the LED to further dissipate the captured heat out of the assembly.